

Figure 1:

A.

Exon 1:

ATG AGC CG

Exon 2:

G AGT CTC TTG CTC TGG TTC TTG CTG TTC CTG CTC CCG CCG CTC CCC GTC CTC GCG GAC CCA GGG GCG
CCC ACG CCA G

Intron 1:

TGAGTGCAGACCCCGGTGCCCGGTGGGGAATTTTCTTGGCCTCCTGGTGAGCCTTGAATGCCAGGCTCAGCCCCCTCATCTCTCTCTGTCAGG

B.

1 60
ATGAGCCGCTGCTGGGACCCCGGTGCCCGGTGGGGAATTTTCTTGGCCTCCTGGTGAGCCTTGAATGCCAGGCTCAGCCCCCTCATCTCTCTCTGTCAGGAGTCTCTTGTCTCTGTT
TACTCGGCACTCACGCTGGGGCCACGGGCCACCCCTTAAAGAACCAGGAGCACCTCG
M S R E C D P G A R W G I F L A S W S -
* A V S A T P V P G G E F S W P P G G A -
E P * V R P R C P V G N F L G L L V E P -
Exon1 Intron1
CTTGAATGCCAGGCTCAGCCCCCTCATCTCTCTCTCTGTCAGGAGTCTCTTGTCTCTGTT 61 120
GAACTTACGGTCCGAGTCGGGGAGTAGAGAGGAGAGCGTCCCTCAGAGAACGAGACCAA
L E C Q A Q P L I S L L C R E S L A L V -
L N A R L S P S L S S A G S L L L W E -
* M P G S A P H L S P L Q G V S C S G S -
Exon2
CTTGCTGTTCTGCTCCTGCTCCCGCGCTCCCGTCTCTGTCGCGGACCCAGGGCGCC 121 180
GAACGACACGAGCAGGACGAGGGCGGGCGAGGGGCGAGGCGCCCTGGGTCCCGCCCG
L A V P A P A P A P A P R P A R G P R G A -
L L F L L L L L P P L P V L L A D P G A P -
C C S C S C S R R S P S C S R T Q G R P -

Figure 1 continued

181 CAGCCAGGTAG
-----+--
GTGGGTCATC
H A R *
T P G
R Q V

C. Human COX-3a

1 ATGAGCCGTAGTGGACCCCGGTGCCGTGGGGAATTTCTTGGCCTCTGGTGGAGC
-----+-----+-----+-----+-----+-----+-----+
TACTCGCACTCAGCTGGGGCCACGGGCCACCCCTTAAAGAACCAGGAGCACCTCG
M S R E C D P G A R W G I F L A S W S -
Exon1 Intron1
CTTGAATGCCAGCTCAGCCCTCATCTCTCTCTCTGTCAGGAGTCTCTGTCTGTGTTT
-----+-----+-----+-----+-----+-----+-----+
61 GAACCTACGTCGAGTCGGGGAGTAGAGAGAGAGACGTCCCTCAGAGACGAGACCAAG
L E C Q L S P S S L S S A G S L L L W F
Exon2
TTGCTGTTCTGCTCCTGCTCCCGCGCTCCCGTCTGCTCGCGACCCAGGGGCGCCC
-----+-----+-----+-----+-----+-----+-----+
121 AACGACAGGACGAGGACGAGGGCGGGCGGAGGGGCAGGACGCGCTGGTCCCCCGGG
L L F L L L L P P L P L P V L L A D P G A P -
ACGCCAGGT
181 -----
TGCGGTCCA
T P G

D. Human COX-3b

1 ATGAGCCGTAGTGGACCCCGGTGCCGTGGGGAATTTCTTGGCCTCTGGTGGAGCC
-----+-----+-----+-----+-----+-----+-----+
TACTCGCACTCAGCTGGGGCCACGGGCCACCCCTTAAAGAACCAGGAGCACCTCGG
M S R E C D P G A R W G I F L A S G G A -
Intron1

[illegible]

Canine	4	EFDPEAPRNPLRLPGEPMPGPALTSRSAGGS	35
		:	
Human 3a	4	ECDPGA.RWGIFLASWWSLEQLSPSSLSSAG	34
Human 3b	4	ECDPGA.RWGIFLASGGALNARLSPSSLSSAG	34

Figure 2

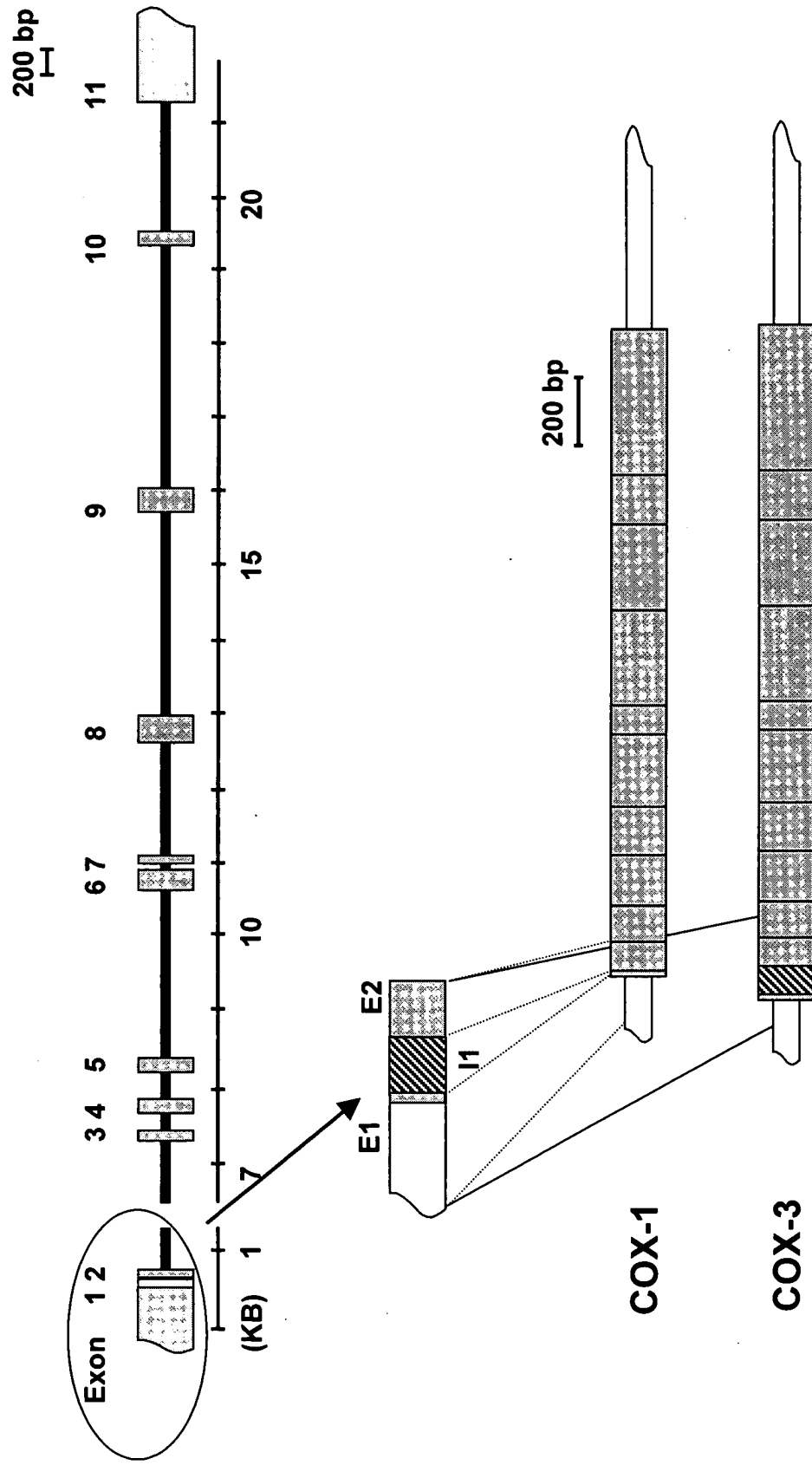


Figure 3

